

BRIGHT SOURCE

Register your Bright Source warranty online within 30 days to receive your extended warranty



Scan the QR code or visit <https://www.brightsourceuk.com>

EVENTUALLY, YOU MAY WANT TO REPLACE THIS PRODUCT:

Regulations require the recycling of Waste from Electrical and Electronic Equipment (European "WEEE Directive" effective August 2005—UK WEEE Regulations effective 2nd January 2007). Environment Agency Registered Producer: WEE/GA0248QZ.

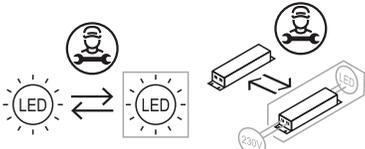
WHEN YOUR PRODUCT COMES TO THE END OF ITS LIFE OR YOU CHOOSE TO REPLACE IT, PLEASE RECYCLE IT WHERE FACILITIES EXIST - DO NOT DISPOSE WITH HOUSEHOLD WASTE.

CLEANING:

Clean this fitting only with a soft dry cloth. Do not use any chemical or abrasive cleaners.

IF YOU EXPERIENCE PROBLEMS:

If you believe your product is defective, please return it to the place where you bought it. Our Technical Team will gladly advise on any ECI Lighting product, but may not be able to give specific instructions regarding individual installations.



See website for more information on replacability and recycling



BRIGHT SOURCE

INSTALLATION INSTRUCTIONS

A guide for qualified electricians



Pack contents:
1 x Base
1 x Diffuser

Power & Colour Temperature Selectable
IP65 LED Bulkhead
243854 & 243878 & 242000 & 242024
170020 & 170044 & 242048 & 242062

These instructions are provided as a guideline to assist you.

PLEASE READ THESE INSTRUCTIONS BEFORE INSTALLATION AND RETAIN FOR FUTURE REFERENCE

READ THIS FIRST:

Check the pack and make sure you have all of the parts listed on the front of this booklet. If not, contact the outlet where you bought this product.

This product must be installed by a competent person in accordance with the current building and IEE wiring regulations.

As the buyer, installer and/or user of this product it is your own responsibility to ensure that this fitting is fit for the purpose for which you have intended it. Bright Source cannot accept any liability for loss, damage or premature failure resulting from inappropriate use.

This product is designed and constructed according to the principles of the appropriate British Standard and is intended for normal domestic service. Using this fitting in any other environments may result in a shortened working life, for example where there is prolonged periods of use or higher than normal ambient temperatures such as lighting public or shared spaces or in nursing /care home facilities.

Switch off the mains before commencing installation and remove the appropriate circuit fuse or lock off MCB.

Suitable for outdoor use.

This product is suitable for use in living areas, and Bathroom Zone 2 and outsidies of zones.

If being fitted in a bathroom a 30mA RCD must be used.

The chosen location of your new fitting should allow for the product to be securely mounted (e.g. to a ceiling joist) and safely connected to the mains supply (lighting circuit).

When making connections ensure that the terminals are tightened securely and that no strands of wire protrude. Check that the terminals are tightened onto the bared conductors and not onto any insulation.

This product is double insulated, do not connect any part to Earth.

This product is not intended to be used by children and persons with sensory, physical and/or mental impairments that would prevent them from using it safely.

You are advised at every stage of your installation to double-check any electrical connections you have made. After you have completed your installation there are electrical tests that should be carried out, these tests are specified in the current IEE wiring and building regulations.

LAMP REPLACEMENT:

The light source is designed to last the lifetime of the luminaire.

The light source contained in this luminaire shall only be replaced by the manufacturer, service agent or a similar qualified person.

CAUTION, RISK OF ELECTRIC SHOCK.



INSTALLATION:

Choose the location for your new fitting according to the conditions listed opposite.

- 1) Unscrew gear tray screw and allow the gear tray to rest on its hinge.
- 2) Drill holes in the back of your fitting for your fixing screws, take care and drill gently to ensure a clean hole through. Use a drill bit sized appropriately to your fixing screws (not supplied).
- 3) Using the back of your fitting as a template, mark the position of your fixing holes on your mounting surface.
- 4) Prepare the holes in your mounting surface as appropriate for your fixings.
- 5) Pierce the rubber grommet in the back of your fitting making a hole just large enough to make a tight fit around the incoming mains cable.
- 6) Thread the cable through the grommet and offer the fitting to the ceiling / wall.
- 7) Secure the fitting in place. Note, if protection against ingress of moisture is required, the heads of screws must be covered with a silicone or similar sealant.
- 8) Check that the grommet is still correctly fitted in the cable entry hole and around the incoming cable.
- 9) Make the electrical connections to the terminal block according to the markings:
- 10) Set power to the desired option by selecting appropriate switch setting on the driver:
9W / 14W / 18W options
- 11) Set colour temperature to the desired option by selecting appropriate switch setting on the driver.

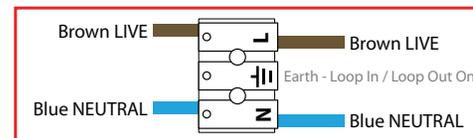
DL	Daylight	6000K
CW	Cool White	4000K
WW	Warm White	3000K

- 12) Replace gear tray and secure in position.
- 13) Offer the diffuser onto the top of the fitting and tighten securely making sure the gasket is correctly fitted in place.
- 14) Restore the power and switch on.

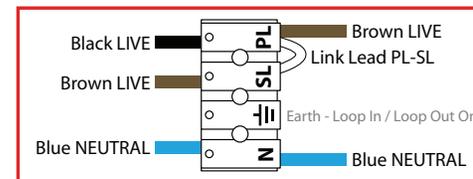
An Earth connection is not required for the operation of these Class II luminaires. The addition of the Earth terminal provides a loop-in/loop out facility which allows connectivity through to other Class I luminaires in the same lighting circuit.

NOTE: In warm white (3000K) and daylight white (6000K) operation only one set of LEDs will illuminate, in cool white (4000K) both sets of LEDs will illuminate.

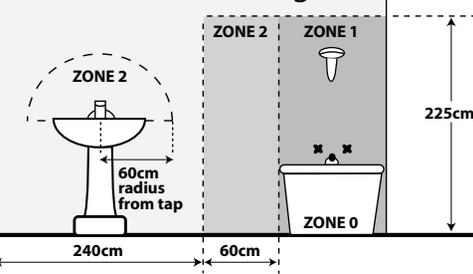
Standard version



Emergency version



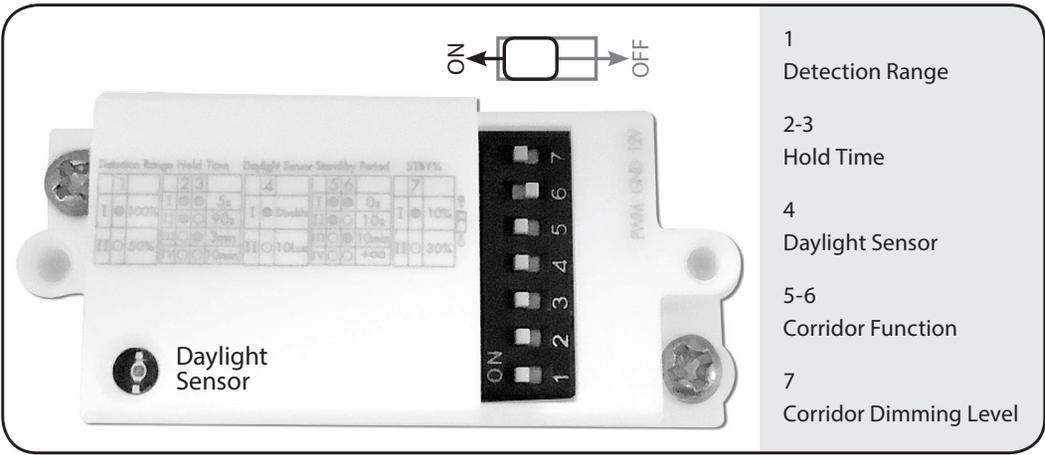
Bathroom Zones Diagram



This product is designed for permanent connection to fixed wiring: this must be a suitable circuit (protected with the appropriate MCB or fuse).

This product is suitable for installation on surfaces with normal flammability e.g. wood, plasterboard and masonry. It is not suitable for use on highly flammable surfaces (e.g. polystyrene, textiles).

Before making fixing hole(s), check that there are no obstructions hidden beneath the mounting surface such as pipes or cables.



- 1 Detection Range
- 2-3 Hold Time
- 4 Daylight Sensor
- 5-6 Corridor Function
- 7 Corridor Dimming Level

UNDERSTANDING THE CONTROLS:

REFER TO STEP DIM MICROWAVE SENSOR PICTURE OPPOSITE:

The motion detector can turn on the light based on movement. With this detector built in, light is automatically on when needed and dimmed to preset level before it is totally off.

SENSITIVITY / DETECTION RANGE

Sensitivity can be adjusted by selecting the combination on the DIP switches for different applications.

	1	
I	ON	100%
II	OFF	50%

HOLD-TIME

Hold-time refers to the time period that the light remains 100% on if no more movement is detected.

	2	3	
I	ON	ON	5sec
II	ON	OFF	90sec
III	OFF	OFF	180sec
IV	OFF	ON	10min

DAYLIGHT SENSOR / THRESHOLD

Daylight threshold can be preset on DIP switches. Light will always turn on upon movement if daylight sensor is disabled.

	4	
I	ON	Disable
II	OFF	10Lux

CORRIDOR FUNCTION / STAND-BY TIME

This is the time period that the light remains at a low level before it is completely turned off.

	5	6	
I	ON	ON	0Sec
II	ON	OFF	10Sec
III	OFF	ON	10Min
IV	OFF	OFF	+∞

CORRIDOR DIMMING LEVEL / STAND-BY DIMMING LEVEL

Light can be dimmed to different levels after hold-time.

	7	
I	ON	10%
II	OFF	30%

STEP DIM MW SENSOR SPECIFICATIONS:

PRODUCT TYPE	STEP DIM MICROWAVE MOTION SENSOR
Operating Voltage	220-240VAC 50/60Hz
HF System	5.8GHz
Transmission Power	<0.2mW
Detection Angle	150° Max
Power Consumption	<0.3W
Detection Range	Max. 6m adjustable
Detection sensitivity	50% / 100%
Hold time	5s / 90s / 180s / 10 min
Corridor function	0s / 10s / 10 min / Disable
Corridor Dimming Level	10% / 30%
Daylight sensor	10 lux / Disable
Mounting	Indoors, ceiling and wall
Light Control	10lux, disable
Working Temp	-20 to +60 degree
Rated Load	400W (Inductive load) 800W (Resistive load) 270W (LED)